



Attorney Docket No. 09800240-0063

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)	Group Art Unit: 1762
)	
James ECONOMY)	Examiner:
)	
Application No. 10/717,303)	
)	
Filed: November 19, 2003)	
)	
For: High Density Boron Nitride Matrix)	
Composites)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. section 1.97(b))**

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INFORMATION DISCLOSURE STATEMENT**

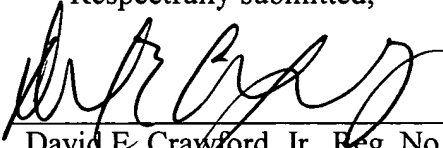
The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

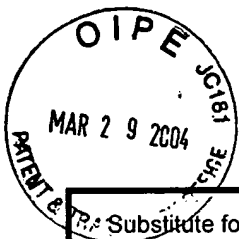
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Transmittal of Information Disclosure Statement
Page 2

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Dated: 22 MAR 04

Respectfully submitted,

By: _____
David E. Crawford, Jr., Reg. No. 38,118
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/717,303
				Filing Date	November 19, 2003
				First Named Inventor	James Economy
				Group Art Unit	1762
Sheet	1	of	2	Examiner Name	
				Attorney Docket No.	09800240-0063

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US-5,399,377	03-21-1995	Economy et al.	

Examiner Signature		Date Considered	
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				Application Number	10/717,303
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				Group Art Unit	1762
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	09800240-0063
OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T²
	2	AWASTHI et al., "C/C Composite Materials for Aircraft Brakes," Advanced Ceramic Materials, 1988, pp. 449-451, Vol. 3.			
	3	COFER et al., "Oxidative and Hydrolytic Stability of Boron Nitride - A New Approach to Improving the Oxidation Resistance of Carbonaceous Structures," Carbon, 1995, pp. 389-395, Vol. 33.			
	4	COFER, "Processing and Characterization of Boron Nitride Composites and Films," Ph.D. Thesis, University of Illinois, 1995 (141 pages).			
	5	COFER et al., "Characterization of Fiber/Matrix Interfaces in Composites with a Boron Nitride Matrix," Composites Sci. & Techn., 1996, pp. 967-975, Vol. 56.			
	6	COFER et al., "Carbon/Boron Nitride Composites: An Alternative to Carbon/Carbon," Proceeding of the 19 th Annual Coca Beach Conference on Composites, 1995 (5 pages).			
	7	ECONOMY et al., "A One-Step Process for Fabrication of Carbon-Carbon Composites," Carbon, 1991, pp. 81-85, Vol. 30.			
	8	FABIO, "The Application of Advanced Materials to Four Unique Problems Involving Surface Interfaces, M.S. Thesis, The University of Illinois at Urbana-Champaign, 1997 (116 pages).			
	9	FIBERGLASS FABRICATION INDUSTRY, "Resin Transfer Molding (RTM)," obtained from http://www.pprc.org/pprc.sbap/fiber/rtm.cfm , 2003, 2 pages.			
	10	KIM et al., "Fabrication of Oxidation Resistant Carbon Fiber/Boron Nitride Matrix Composites," Chem. Mat., 1993, pp. 1216-1220, Vol. 5.			
	11	KIM et al., "Occurrence of Liquid Crystallinity in a Borazine Polymer," Chem. Mater., 1994, pp. 395-400, Vol. 6.			
	12	KIM et al., "Fabrication and Properties of Ceramic Composites with a Boron Nitride Matrix," J. Am. Ceram. Soc., 1995, pp. 1546-1552, Vol. 78.			
	13	KRENKEL, "CMC Materials for High Performance Brakes," ISATA Conference n Supercars, Aachem, 1994, pp. 769-775.			
	14	ROWE, "Some Observations on the Frictional Behaviour of Boron Nitride and of Graphite," Wear, 1960, pp. 274-285, Vol. 3.			
Examiner Signature				Date Considered	

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